FERTILIZER SALES

STATISTICS

for

ALBERTA

and

WESTERN CANADA

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FOREWORD

This publication includes a compilation of fertilizer sales statistics for Alberta and Western Canada.

Fertilizer sales in Canada were published by Statistics Canada beginning in 1927. Only total product sales were published. Then in 1936, the nutrient contents of nitrogen, phosphate and potash were also included. Sales figures by provinces were available in 1946 from Statistics Canada until 1977. Sources of statistics since 1977 have included the Western Canada Fertilizer Association, and most recently the Canadian Fertilizer Institute, Ottawa.

This publications also includes the use of fertilizer by municipality in Alberta for the year 1985. Rates of application of nitrogen and phosphate and the tonnage of most major grades are provided. The source of this information was the Alberta Farm Fertilizer Price Protection Plan announced in April 1985. The information is based on applications received to March 1986 for sales between August 1984 and March 1986. As this period is more than one crop year, care should be exercised in the interpretation of fertilizer use. We believe the relative distribution among the municipalities is reasonably accurate.

ACKNOWLEDGEMENT

Special thanks to Ms. Joan Seath for assisting with the compilation of data and for typing the many pages of tables.

TABLE 1

FERTILIZER SALES IN ALBERTA (JULY 1-JUNE 30)

(SHORT TONS)

GRADE	1946	1947	1948	1949	1950
82-0-0	--	--	--	--	--
21-0-0	599	760	793	794	697
33.5-0-0	1	5	--	17	66
11-48-0	8,666	12,001	15,420	22,973	28,393
16-20-0	1,377	1,984	3,332	3,222	3,343
0-0-60	--	--	--	--	--
Bone Meal	150	48	58	157	6
Tankage	400	328	308	346	221
Others	288	653	34	493	24
TOTAL	12,471	15,779	19,945	28,002	32,750

GRADE	1951	1952	1953	1954	1955
82-0-0	--	--	--	--	--
21-0-0	590	547	586	700	803
33.5-0-0	566	795	1,477	1,772	1,968
11-48-0	30,012	26,461	29,130	21,774	17,865
16-20-0	4,300	3,651	4,821	3,980	3,195
0-0-60	--	--	--	--	19
Bone Meal	82	129	10	25	82
Tankage	154	135	96	--	98
Others	59	43	70	159	283
TOTAL	35,763	31,761	36,190	28,420	24,313

GRADE	1956	1957	1958	1959	1960
82-0-0	241	426	314	426	368
21-0-0	1,772	1,525	2,196	2,933	3,608
33.5-0-0	2,512	4,110	5,410	7,929	11,265
11-48-0	18,272	21,616	25,454	32,487	37,420
16-20-0	5,533	8,609	11,685	16,953	21,188
0-0-60	6	5	38	4	29
Bone Meal	55	42	58	75	75
Tankage	--	--	--	--	--
Others	766	2,104	2,797	4,378	5,925
TOTAL	29,157	38,337	47,952	65,185	79,878

TABLE 1

FERTILIZER SALES IN ALBERTA (JULY 1-JUNE 30)

(SHORT TONS)

GRADE	1961	1962	1963	1964	1965
82-0-0	405	252	660	965	1,398
45-0-0	--	111	688	2,826	2,595
33.5-/34-0-0	14,220	15,827	24,228	34,758	40,609
21-0-0	6,905	7,346	10,238	16,215	15,807
11-48-0	46,432	54,648	67,550	80,661	90,680
16-20-0	28,975	38,616	49,390	65,517	67,940
27-14-0	--	8,210	14,333	20,415	30,509
AP**	--	--	1,933	1,403	1,206
0-0-60 (KCl)	--	54	56	37	89
Others	7,160	1,801	1,371	1,385	1,355
TOTAL	104,097	126,865	170,447	224,182	252,188

GRADE	1966	1967	1968	1969	1970
28-0-0	--	--	3,110	3,160	7,817
82-0-0	378	934	8,636	19,477	15,285
45-0-0	5,909	13,025	11,747	8,848	4,591
33.5/34-0-0	55,503	71,625	79,051	39,319	36,441
21-0-0	20,154	23,326	24,970	11,539	51,259
11-55-0	--	--	9,353	23,065	22,199
11-48-0	102,041	116,407	116,902	77,569	48,933
18-46-0	--	--	2,238	1,678	663
16-20-0	68,255	63,554	56,024	35,907	26,264
27-14-0	23,969	27,074	21,660	9,809	9,077
23-23-0	24,170	45,071	51,670	43,759	24,403
ANP*	--	3,187	10,268	11,459	9,967
AP**	911	4,325	9,694	311	933
0-0-60 (KCl)	90	806	1,568	1,008	1,377
Others	14,736	29,607	35,995	27,007	5,850
TOTAL	316,116	398,941	442,886	310,755	265,069

GRADE	1971	1972	1973	1974	1975
28-0-0	4,119	4,454	3,359	2,825	589
82-0-0	24,888	30,386	57,096	52,981	75,864
45-0-0	16,506	21,275	31,606	42,274	50,953
33.5/34-0-0	44,362	48,254	63,957	97,558	98,851
21-0-0	72,618	55,809	55,867	53,540	45,165
11-55-0	32,666	29,585	39,382	59,732	32,183
11-48-0	67,141	66,781	88,991	115,573	160,333
18-46-0	1,197	975	4,194	1,596	844
16-20-0	27,496	29,250	24,231	37,278	39,120
27-14-0	5,279	5,326	5,930	9,299	9,160
23-23-0	27,012	34,866	41,947	55,635	63,284
ANP*	14,886	15,167	21,844	16,516	15,941
AP**	3,589	6,151	20,005	13,014	12,774
0-0-60 (KCl)	1,806	2,163	1,332	2,358	3,859
Others	6,439	10,541	5,838	17,432	18,309
TOTAL	350,004	360,983	465,579	577,611	627,229

* Other Ammonium NO3 Phosphate
** Other Ammonium Phosphate

TABLE 1

FERTILIZER SALES IN ALBERTA (JULY 1-JUNE 30)

SHORT TONS

GRADE	1976	1977	1978	1979	1980
28-0-0	1,598	9,626	12,982	24,073	20,052
82-0-0	92,768	111,946	129,866	142,713	146,332
45-0-0	57,370	74,241	100,266	128,899	125,959
34-0-0	116,287	94,686	99,988	109,201	112,553
21-0-0	47,078	42,631	33,606	24,914	19,198
11-55-0	45,173	55,831	78,615	79,575	128,368
11-48-0	131,121	122,943	145,219	108,433	88,148
18-46-0	445	2,868	3,651	7,409	695
16-20-0	31,571	23,317	24,010	25,408	21,712
27-14-0	8,322	6,467	17,708	12,201	11,605
23-23-0	56,691	54,571	53,486	41,814	40,555
ANP*	15,844	26,181	487	258	--
AP**	6,033	6,836	7,001	53,574	23,854
0-0-60 (KCl)	11,640	1,675	21,343	19,691	23,525
Others	13,994	11,886	36,448	47,349	40,903
TOTAL	635,935	645,885	767,734	825,512	803,459

METRIC TONNES

GRADE	1981	1982	1983	1984	1985
28-0-0	23,041	28,607	28,255	30,948	11,374
82-0-0	158,601	158,894	163,650	187,337	187,382
46-0-0	157,311	161,780	187,226	226,243	245,123
34-0-0	108,583	90,376	98,658	75,811	85,816
21-0-0	20,943	16,838	19,096	16,757	27,215
Other N	--	--	2,301	3,603	--
Monammon Phos.	254,612	251,058	287,066	313,526	311,497
Urea Phos.	10,315	8,638	--	--	20,687
18-46-0	659	--	--	207	168
16-20-0	19,685	19,602	21,297	20,888	21,338
27-14-0	12,625	12,095	--	--	--
23-23-0	40,647	38,900	--	--	--
10-34-0 (Soln.)	1,837	6,496	2,894	3,606	1,551
Mixed N/P/K	10,772	8,239	--	--	--
0-0-60 (KCl)	22,426	24,687	34,828	40,313	44,951
Others	17,156	19,593	10,289	5,249	11,340
TOTAL	859,213	845,803	855,560	924,488	968,442

* Other Ammonium NO3 Phosphate
** Other Ammonium Phosphate

Table 1

FERTILIZER SALES IN ALBERTA (JULY 1-JUNE 30)

	METRIC TONNES		
GRADE	**1986**	**1987**	**1988**
82-0-0 (Anhy. Amm.)	157,998	131,260	152,684
46-0-0 (Urea)	222,947	222,206	237,587
34-0-0 (Amm. NO_3)	71,210	66,442	73,371
21-0-0 (Amm. SO_4)	21,885	22,883	42,661*
28-0-0 (N. Soln.)	20,651	46,279	42,137
Other N	26,398	20,823	9,884
MAP (11/12-51/52/55-0)	273,370	244,822	249,260
18-46-0	74	67	--
16-20-0	27,114	21,292	16,386**
Other Phos.	13,405	22,390	21,334
10-34-0 (Soln.)	1,735	--	--
0-0-60 (KCl)	34,572	35,140	39,259
All Others	2,235	2,251	2,271
Elemental S	1,027	--	--
TOTAL	874,621	835,855	886,834

* Ammonium Sulphate includes 21/20-0-0-24; and 19-3-0-22

** Ammonium Phos-Sulphate includes 16/17-20-0-14/15

TABLE 1a

FERTILIZER APPLICATION RATES AND ACRES FERTILIZED IN 1981 AND 1985

(by municipality)

Municipality	Average lb/ac N	Average lb/ac P_2O_5	Acres Fertilized 1985	Acres Fertilized Census 1981	Cropped Census 1981
County of Vulcan #2	24.5	17.1	358,286	335,524	551,179
County of Newell #4	35.6	17.4	165,317	152,107	322,786
County of Warner #5	22.6	13.4	200,803	192,396	481,471
County of Forty Mile #8	20.3	14.2	190,702	145,051	526,110
County of Lethbridge #26	19.6	13.7	287,785	324,369	462,192
M.D. of Cypress #1	21.4	18.5	117,195	62,665	318,449
M.D. of Cardston #6	31.7	21.4	277,160	312,669	410,120
M.D. of Pincher Creek #9	22.0	13.5	153,101	108,181	179,098
M.D. of Taber #14	21.2	16.5	239,033	222,527	422,586
M.D. of Willow Creek #26	29.7	15.9	249,105	296,368	449,800
I.D. #5 and #6	5.5	25.3	160	187	3,215
County of Wheatland #16	40.0	19.6	479,186	402,773	609.058
County of Mountain View #17	52.7	23.4	380,247	351,492	506,339
M.D. of Foothills #31	39.1	19.3	117,435	248,003	384,309
M.D. of Acadia Valley #34*	13.1	21.3	7,785	---	---
M.D. of Rocky View #44	42.9	20.8	384,402	342,053	501,150
M.D. of Starland #47	25.7	18.3	191,650	183,773	266,056
M.D. of Kneehill #48	37.7	20.9	380,886	376,301	459,102
Special Area #2	13.0	12.3	93,693	56,038	310,345
Special Area #3	17.2	18.4	84,471	37,940	405,421
I.D. #7 and #8	15.7	15.2	1,840	500	3,577
County of Ponoka #3	47.0	18.1	178,650	192,220	337,940
County of Stettler #6	39.3	18.3	334,711	270,030	437,182
County of Wetaskiwin #10	43.4	19.5	169,533	150,216	310,327
County of Lacombe #14	54.8	23.4	303,376	301,836	420,535
County of Paintearth #18	28.9	13.8	263,804	202,116	330,312
County of Camrose #22	43.9	19.5	476,483	400,629	529,378
County of Red Deer #23	56.4	25.4	455,216	431,375	576,027
County of Flagstaff #29	45.2	18.7	522,927	465,565	594,253
M.D. of Clearwater #99	35.4	13.7	105,996	55,762	194,034
Special Area #4	26.1	15.4	150,621	101,741	248,013
County of Beaver #9	43.5	21.3	264,641	263,658	381,540
County of Smoky Lake #13	45.2	18.9	111,502	104,644	188,538
County of St. Paul #19	43.4	20.1	159,452	136,127	274,944
County of Two Hills #21	40.9	17.6	176,272	222,290	318,515
County of Vermilion River #24	41.8	20.2	486,359	538,657	668,641
County of Minburn #27	41.0	18.9	254,164	276,008	370,641
County of Lamont #30	43.2	20.0	277,034	234,555	329,088
M.D. of Provost #52	38.3	17.6	243,033	213,293	327,529
M.D. of Wainwright #61	43.9	15.1	304,093	302.474	393,642
M.D. of Bonnyville #87	43.7	18.8	87,282	87,394	187,804
I.D. #18	31.9	12.5	36,266	30,900	154,813
County of Thorhild #7	43.0	19.0	110,243	115,301	191,428
County of Barrhead #11	46.7	18.7	151,675	99,979	242,440
County of Athabasca #12	42.5	14.5	104,062	106,040	266,241
County of Strathcona #20	53.3	24.7	72,812	106,115	162,896
County of Leduc #25	45.3	21.4	183,753	199,873	374,867
County of Lac Ste Anne #28	40.1	14.0	72,175	58,362	237,710
County of Parkland #31	44.1	15.7	117,435	100,817	242,261
M.D. of Sturgeon #90	51.3	21.4	237,635	238,906	328,857
M.D. of Westlock #92	54.1	21.0	227,914	218,778	351,762
I.D. #14	37.0	8.1	47,717	21,216	123,419
I.D. #15	33.8	11.3	4,095	15,555	52,480
County of Grande Prairie #1	47.5	22.0	396,784	373,562	543,346
M.D. of Smoky River #130	37.8	19.6	263,502	211,528	371,400
M.D. of Spirit River #133**	30.4	14.8	64,483	---	---
M.D. of Peace #135	41.6	20.1	71,786	73,182	110,556
M.D. of Fairview #136***	43.0	18.7	149,505	---	---
I.D. #16	36.9	18.7	102,739	103,060	229,532
I.D. #17	39.3	18.7	146,302	134,570	314,881
I.D. #19	48.2	23.7	155,872	284,874	427,272
I.D. #20	31.5	15.5	171,220	202,100	370,510
I.D. #21	44.4	14.3	153,079	135,719	239,595
I.D. #22	45.0	19.3	176,092	158,004	287,007
I.D. #23	32.7	17.2	82,945	87,480	174,599
TOTAL/AVERAGE	36.9	18.1	13,080,826	12,217,814	20,958,765

*1981 census data included with Special Area #3
**1981 census data included with I.D. #20
***1981 census data included with I.D. #19

(Source: Soils Branch, Alberta Agriculture and Statistics Canada)

Table 1b

FERTILIZER GRADES SOLD IN ALBERTA BY MUNICIPALITY--1985

(tonnes)

Municipality	82-0-0	46-0-0	34-0-0	21-0-0	28-0-0	27-27-0	11-51-0	11-55-0	16-20-0	Blends	Others
County of Vulcan	2375	2919	495	132	234	75	2440	2432	--	3412	54
County of Newell	860	1718	816	47	208	49	1865	535	25	3632	17
County of Warner	1867	899	863	11	153	95	1648	666	3	1010	3
County of Forty Mile	1021	1813	678	52	419	111	1504	1129	179	4095	395
County of Lethbridge	3652	2785	1454	138	478	43	3534	1151	46	4244	18
M.D. of Cypress	498	1700	641	179	117	78	1765	314	122	799	1
M.D. of Cardston	2820	676	857	331	358	189	1943	1696	93	5173	3
M.D. of Pincher Creek	527	574	751	5	104	339	712	186	52	2395	54
M.D. of Taber	1772	5161	508	487	650	7	3687	589	9	5134	217
M.D. of Willow Creek	1678	1033	492	79	810	499	2049	178	34	5365	35
I.D. #5 and #6	--	--	--	--	--	--	3	--	--	--	--
County of Wheatland	5303	2321	392	--	673	179	3382	911	157	14544	14
County of Mountain View	6067	3682	1615	240	452	75	4011	1696	121	5877	108
M.D. of Foothills	2352	3385	1104	24	202	146	2316	1368	80	6746	75
M.D. of Acadia Valley	--	17	4	--	--	--	46	11	--	160	43
M.D. of Rocky View	3821	3021	1204	19	622	106	4022	958	60	10984	19
M.D. of Starland	361	1649	55	--	176	392	1706	125	5	4279	46
M.D. of Kneehill	2594	3522	161	29	472	226	2703	1988	4	10308	71
Special Area #2	20	437	78	--	31	35	562	81	--	814	--
Special Area #3	2	125	31	10	60	--	157	343	--	2334	--
I.D. #7 and #8	--	3	--	--	--	21	--	--	4	18	--
County of Ponoka	2269	1793	939	137	--	15	1054	1032	205	2363	15
County of Stettler	4136	1069	619	46	296	195	2688	719	--	8439	27
County of Wetaskiwin	1962	2009	385	68	324	180	2114	226	114	3113	--
County of Lacombe	5348	3915	429	146	--	34	2308	2644	321	3631	--
County of Paintearth	633	3068	2358	166	--	30	2409	443	22	1485	1
County of Camrose	8453	2797	832	42	7	42	5916	1473	147	2819	2
County of Red Deer	7858	3679	461	171	243	75	4144	1845	310	1449[illegible]	6
County of Flagstaff	6088	3994	542	79	923	43	4632	1183	53	10654	[illegible]7
M.D. of Clearwater	601	726	918	579	4	6	722	124	217	1402	--
Special Area #4	370	1578	199	45	109	77	1320	223	--	1983	--
County of Beaver	3738	1665	903	44	72	203	3593	157	47	3187	16
County of Smoky Lake	1710	508	590	388	--	58	880	5	178	1948	--
County of St. Paul	1458	2238	268	478	8	25	1604	75	275	2621	3
County of Two Hills	2083	1152	1168	238	27	100	1952	126	376	1555	50
County of Vermilion River	5365	5532	1097	266	397	185	5632	2077	293	5270	80
County of Minburn	2862	2363	1041	167	85	291	3193	369	189	1701	178
County of Lamont	2325	1497	502	73	--	102	1635	703	169	2034	6
M.D. of Provost	2932	849	1158	26	136	197	2761	110	151	3312	--
M.D. of Wainwright	2898	4684	510	180	472	23	1753	1256	579	3420	243
M.D. of Bonnyville	837	1124	335	438	--	12	577	72	128	1854	--
I.D. #18	187	198	162	218	--	3	177	--	192	477	--
County of Thorhild	1486	488	1262	124	56	76	1275	87	271	776	1
County of Barrhead	2475	620	1415	1265	4	56	1958	8	428	1116	4
County of Athabasca	1024	1075	754	353	--	43	699	--	572	1054	50
County of Strathcona	1412	580	162	51	--	72	1071	172	33	610	13
County of Leduc	2217	2028	830	161	--	96	1968	272	476	2495	24
County of Lac Ste Anne	217	1079	703	252	--	36	393	113	184	989	--
County of Parkland	1338	997	724	311	46	8	823	174	438	1507	--
M.D. of Sturgeon	4517	1819	834	292	337	157	3072	41	77	2875	78
M.D. of Westlock	4840	1137	1809	541	18	43	2963	128	195	2065	17
I.D. #14	125	490	1052	109	--	1	172	6	302	299	9
I.D. #15	17	65	15	--	--	--	1	6	24	40	--
County of Grande Prairie	4283	7160	1359	62	212	135	4466	1966	287	3683	--
M.D. of Smoky River	2892	2764	472	63	--	1452	3538	--	69	2013	--
M.D. of Spirit River	563	247	353	--	37	31	586	--	6	730	--
M.D. of Peace River	979	399	499	4	--	3	1140	--	38	538	--
M.D. of Fairview	1822	1455	1115	--	--	58	2254	--	92	789	--
I.D. #16	1374	613	649	19	--	34	1332	82	32	988	--
I.D. #17	1588	1481	330	86	--	488	1922	--	24	838	--
I.D. #19	1339	2708	1557	10	45	79	3012	4	31	965	--
I.D. #20	1379	1276	734	10	14	232	1736	4	35	1581	1
I.D. #21	2133	1840	472	3	--	190	1416	--	325	878	--
I.D. #22	1534	2028	1171	10	--	31	1887	70	140	2707	81
I.D. #23	172	988	29	5	--	--	517	70	271	1675	--
TOTAL	141460	117257	45946	9537	10113	7885	129336	34375	9341	200427	2095

Source: Alberta Agriculture, Soils Branch
January 1986

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

	1946					1947				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
21-0-0	72	22	559	2,602	5,989	63	27	760	1,501	4,229
33.5-0-0	4	1	1	767	6,085	4	1	5	1,125	5,773
11-48-0	6,960	9,458	8,666	953	27,333	9,491	13,467	12,001	1,034	38,362
16-20-0	126	502	1,377	3,851	5,925	241	783	1,984	3,307	6,458
Bone Meal	24	--	150	18,065	1,620	33	1	48	252	505
Tankage	--	--	400	603	853	--	11	326	54	393
Others	581	980	288	452	585,138	293	639	653	3,004	40,150
TOTAL	7,768	10,963	12,471	30,130	632,943	10,125	14,929	15,779	10,277	95,870

	1948					1949				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
21-0-0	30	18	793	2,331	5,058	32	27	794	1,543	4,332
33.5-0-0	1	--	--	1,322	6,496	8	--	17	1,394	6,407
11-48-0	11,840	17,674	15,420	962	48,682	16,256	22,008	22,973	1,282	64,492
16-20-0	324	753	3,332	3,405	8,148	350	599	3,222	2,722	7,034
Bone Meal	24	2	58	460	740	26	2	157	421	1,012
Tankage	--	1	308	200	509	--	1	346	272	619
Others	34	52	34	2,819	37,666	365	136	493	20,413	61,330
TOTAL	12,253	18,500	19,945	11,499	107,299	17,037	22,773	28,002	28,047	74[illegible],726

	1950					1951				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
21-0-0	95	45	697	1,823	3,858	75	46	590	2,212	3,997
33.5-0-0	2	1	66	1,876	6,893	--	--	566	1,704	9.833
11-48-0	19,359	29,766	28,393	1,078	80,821	20,359	30,000	30,012	950	83,688
16-20-0	1,705	1,068	3,343	3,332	9,459	1,901	1,296	4,300	2,849	10,501
Bone Meal	22	--	6	473	1,429	28	2	82	623	1,363
Tankage	--	--	221	207	442	--	--	154	225	379
Others	50	18	24	2,801	43,070	22	18	59	4,126	44,172
TOTAL	21,233	30,898	32,750	11,590	145,972	22,[illegible]85	31,362	35,763	12,689	153,933

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

	1952					1953				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
21-0-0	45	39	547	2,157	3,635	48	45	586	2,257	4,091
33.5-0-0	59	102	795	1,960	14,662	76	90	1,477	2,366	20,109
11-48-0	21,511	25,626	26,461	1,039	77,827	24,363	30,475	29,130	1,565	88,547
16-20-0	5,055	1,703	3,651	2,792	13,446	6,739	2,550	4,821	3,609	18,199
0-0-60	--	--	--	531	3,771	3	--	--	588	4,233
Bone Meal	28	--	129	1,408	2,106	23	2	10	823	1,566
Tankage	--	--	135	194	1,144	--	--	96	170	266
Others	20	16	43	2,936	39,498	129	43	70	3,494	42,589
TOTAL	26,718	27,486	31,761	13,017	156,049	31,381	33,205	36,190	14,872	179,600

	1954+					1955+				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
21-0-0	26	40	700	2,302	4,981	89	62	803	2,147	3,990
33.5-0-0	52	135	1,772	2,753	20,017	75	174	1,968	3,293	22,298
11-48-0	16,450	22,483	21,774	1,064	64,496	10,778	14,219	17,865	1,084	45,731
16-20-0	4,973	1,897	3,980	3,356	14,374	3,136	1,180	3,195	3,295	10,956
0-0-60	5	--	--	603	4,964	12	3	19	688	4,615
Bone Meal	25	--	25	832	1,542	22	60	82	742	1,533
Tankage	--	--	--	246	246	--	--	98	254	352
Others	532	84	159	19,257	701,021	504	253	283	19,341	701,299
TOTAL	22,063	24,639	28,420	30,413	811,641	14,616	15,951	24,313	30,844	790,774

	1956+					1957+				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
82-0-0	84	199	241	53	1,463	116	286	426	50	2,508
21-0-0	110	181	1,772	2,683	6,097	122	98	1,525	1,802	4,557
33.5-0-0	185	457	2,512	2,810	24,316	314	1,299	4,110	2,665	26,519
11-48-0	10,307	14,625	18,272	942	45,959	9,362	15,756	21,616	1,022	49,105
16-20-0	3,916	2,185	5,533	3,002	14,714	4,286	2,427	8,509	2,543	17,823
0-0-60	9	--	6	794	5,151	4	1	5	673	4,674
Bone Meal	27	3	55	789	1,805	32	1	42	853	2,052
Tankage	--	--	--	236	242	--	--	--	341	343
Others	142	250	766	2,764	48,290	1 428	917	2,104	20,101	700,670
TOTAL	14,780	17,900	29,157	14,045	148,037	15,664	20,785	38,337	30,050	808,251

+ Mixed fertilizers included with others

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

	1958+					1959+				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
82-0-0	148	52	314	25	1,978	92	16	426	25	2,309
21-0-0	79	77	2,196	1,774	6,307	75	149	2,933	1,766	7,234
33.5-0-0	423	1,028	5,410	2,992	33,675	824	1.062	7,929	3,325	38,294
11-48-0	9,485	16,787	25,454	1,168	56,343	12,368	21,559	32,487	1,751	71,209
16-20-0	4,146	2,428	11,685	2,903	21,308	5,012	3,186	16,953	3,558	28,820
0-0-60	8	2	38	438	6,583	6	--	4	511	6,654
Bone Meal	29	3	58	697	1,489	28	3	75	588	1,667
Tankage	--	--	--	267	335	--	--	--	232	310
Others	1,971	1,059	2,797	19,869	742,561	2,689	1,657	4,378	20,936	751,717
TOTAL	16,289	21,436	47,952	30,133	870,539	21,094	27,632	65,185	32,692	908,214

	1960+					1961+				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
82-0-0	52	--	368	3	2,418	64	--	405	3	4,696
21-0-0	86	156	3,608	2,032	6,605	141	228	6,905	1,968	10,025
33.5-0-0	1,031	1,475	1[illegible],265	3,722	42,278	2,038	1,804	14,220	3,578	51,123
11-48-0	12,817	26,847	3[illegible],420	1,585	84,000	15,587	30,044	46,432	2,182	98,219
16-20-0	5,217	3,726	2[illegible],188	3,511	34,389	6,109	4,411	28,975	3,747	43,726
0-0-60	3	4	29	562	6,256	4	--	--	343	7,466
Bone Meal	26	3	75	493	1,740	25	7	35	558	1,826
Tankage	--	--	--	164	252	--	--	--	133	166
Others	3,232	2,690	5,925	21,567	757,490	5,962	2,959	7,125	20,684	860,165
TOTAL	22,464	34,901	79,878	33,639	935,428	29,930	39,453	104,097	33,196	1,077,412

+ Mixed fertilizers included with others

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

	1962					1963				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
28-0-0	--	--	--	--	6,835	--	--	--	--	8,022
82-0-0	26	--	252	--	6,672	26	15	660	--	8,428
46-0-0	8	11	111	173	3,873	118	35	688	151	5,857
33.5/34-0-0	1,414	1,464	15,827	4,658	54,948	2,430	2,531	24,228	5,124	74,424
21-0-0	160	246	7,346	2,039	10,687	232	349	10,238	2,120	14,209
11-48-0	18,559	39,090	54,648	2,413	119,423	23,292	56,304	67,550	2,771	156,387
16-20-0	6,809	4,049	38,616	5,527	55,788	10,178	7,585	49,390	4,799	73,258
27-14-0	5,539	2,670	8,210	1,828	18,255	8,779	5,047	14,333	2,737	30,896
AP*	--	--	--	1	1	486	77	1,933	182	3,174
0-0-60 (KCl)	1	--	54	1,058	9,215	62	6	56	930	14,030
Others	2,543	350	1,801	25,593	858,303	1,522	313	1,371	24,488	868,156
TOTAL	35,059	47,880	126,865	43,290	1,144,000	47,125	72,262	170,447	43,302	1,256,841

	1964					1965				
GRADE	MAN.	SASK.	ALTA.	B.C.	CAN.	MAN.	SASK.	ALTA.	B.C.	CAN.
28-0-0	--	--	--	--	18,924	--	--	--	--	19,857
82-0-0	26	110	965	--	16,004	--	450	1,398	--	21,466
46-0-0	437	324	2,826	295	10,441	1,323	179	2,595	421	13,117
33.5/34-0-0	3,959	5,148	34,758	5,066	98,405	10,049	4,905	40,609	5,134	106,306
21-0-0	574	758	16,215	1,842	20,645	690	466	15,807	1,960	23,792
11-48-0	24,905	84,735	80,661	2,529	202,444	30,360	91,737	90,680	2,644	224,318
16-20-0	11,997	14,570	65,517	5,546	99,739	13,056	15,950	67,940	5,652	102,795
27-14-0	13,282	13,050	20,415	3,764	50,511	15,443	22,756	30,509	3,364	72,169
AP*	469	114	1,403	288	3,379	694	76	1,206	230	4,274
0-0-60 (KCl)	165	31	37	932	20,824	72	265	89	1,322	27,251
Others	4,035	500	1,385	24,742	913,016	2,817	460	1,355	26,694	978,248
TOTAL	59,849	119,340	224,182	45,004	1,454,332	74,432	137,244	252,188	47,421	1,593,593

* Other Ammonium Phosphate

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

GRADE	1966 MAN.	1966 SASK.	1966 ALTA.	1966 B.C.	1966 CAN.	1967 MAN.	1967 SASK.	1967 ALTA.	1967 B.C.	1967 CAN.
28-0-0	--	--	--	--	10,953	1,537	24	--	--	14,541
82-0-0	--	--	378	--	16,979	--	78	934	--	26,180
45-0-0	3,919	1,508	5,909	601	21,040	5,545	7,111	13,025	412	33,830
33.5/34-0-0	21,355	10,501	55,503	5,854	139,374	34,255	13,764	71,625	7,011	177,535
21-0-0	574	878	20,154	1,991	25,892	1,337	727	23,326	2,367	32,972
11-48-0	59,566	127,374	102,041	3,380	300,097	56,570	126,298	116,407	4,307	311,874
18-46-0	--	--	--	--	9,178	--	--	--	--	--
16-20-0	22,793	24,590	68,255	7,382	123,114	10,536	13,797	63,554	7,364	95,318
27-14-0	14,543	17,690	23,969	2,082	58,284	14,338	8,680	27,074	1,826	51,923
23-23-0	24,298	30,343	24,170	1,286	80,420	41,086	85,579	45,071	1,623	173,680
ANP*	--	--	--	--	--	--	1,475	3,187	--	4,662
AP**	254	23	911	506	4,015	6,894	2,955	4,325	250	30,129
0-0-60 (KCl)	571	333	90	2,116	30,847	1,063	493	806	2,470	42,252
Others	5,511	1,471	14,736	30,306	1,097,671	7,975	4,863	29,607	26,184	1,188,548
TOTAL	153,384	214,711	316,116	55,504	1,917,864	181,136	265,847	398,941	53,814	2,183,444

GRADE	1968 MAN.	1968 SASK.	1968 ALTA.	1968 B.C.	1968 CAN.	1969 MAN.	1969 SASK.	1969 ALTA.	1969 B.C.	1969 CAN.
28-0-0	6,682	67	3,110	68	46,002	15,470	196	3,160	--	46,510
82-0-0	231	69	8,636	--	43,931	1,001	95	19,477	--	44,299
45-0-0	15,019	4,559	11,747	740	41,194	6,438	1,270	8,848	844	27,304
33.5/34-0-0	51,775	9,531	79,051	5,426	206,420	26,619	3,437	39,319	6,743	149,934
21-0-0	3,231	669	24,970	2,669	33,501	1,723	443	11,539	2,022	17,278
11-55-0	6,466	4,177	9,353	524	20,525	17,541	11,247	23,065	1,685	53,548
11-48-0	50,242	128,466	116,902	3,284	301,482	21,226	70,948	77,569	2,845	173,498
18-46-0	381	61	2,238	88	21,188	212	39	1,678	11	35,739
16-20-0	6,739	8,893	56,024	4,822	76,616	3,497	4,283	35,907	5,518	49,271
27-14-0	16,776	2,836	21,660	1,903	43,186	4,750	679	9,809	1,632	16,890
23-23-0	53,057	78,532	51,670	2,235	186,786	21,395	31,211	43,759	3,194	99,594
ANP*	1,754	4,341	10,268	480	16,853	11,448	5,318	11,459	1,255	29,633
AP**	17,069	21,664	9,694	144	62,602	--	12	311	--	21,681
0-0-60 (KCl)	1,592	883	1,568	2,253	54,542	90	91	1,008	1,504	64,272
Others	11,248	3,423	35,995	30,310	1,137,895	8,493	1,790	27,007	28,399	1,068,171
TOTAL	242,662	268,171	442,886	54,946	2,292,723	141,203	131,059	310,755	55,652	1,897,622

* Other Ammonium NOs Phosphate
** Other Ammonium Phosphate

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

GRADE	1970 MAN.	1970 SASK.	1970 ALTA.	1970 B.C.	1970 CAN.	1971 MAN.	1971 SASK.	1971 ALTA.	1971 B.C.	1971 CAN.
28-0-0	12,564	623	7,817	500	53,318	17,775	91	4,119	--	47,579
82-0-0	1,044	36	15,285	--	61,118	3,346	131	24,888	26	77,399
46-0-0	2,780	865	4,591	1,576	19,876	3,800	1,271	16,506	2,080	37,861
34-0-0	23,593	3,630	36,441	6,793	154,123	33,218	4,534	44,362	7,962	186,533
21-0-0	6,326	1,746	51,259	5,111	66,281	10,995	4,746	72,618	8,027	97,630
11-55-0	16,732	5,154	22,199	1,182	45,327	24,668	10,768	32,666	1,625	69,782
11-48-0	20,944	31,472	48,933	2,211	103,915	32,772	52,066	67,141	3,903	156,183
18-46-0	198	50	663	25	40,721	181	59	1,197	108	43,071
16-20-0	3,023	3,134	26,264	8,631	41,589	4,345	4,816	27,496	7,189	44,803
27-14-0	7,957	2,840	9,077	1,444	21,319	7,737	810	5,279	741	14,568
23-23-0	16,715	11,418	24,403	994	53,530	25,383	18,558	27,012	1,750	74,452
ANP*	14,721	1,659	9,967	164	26,568	22,565	3,812	14,886	1,298	42,623
AP**	77	6	933	804	17,896	1,134	783	3,589	2,900	27,751
0-0-60 (KCl)	1,660	124	1,377	2,014	63,322	1,510	154	1,806	5,073	74,225
Others	4,134	1,043	5,850	28,546	1,107,845	5,912	1,017	6,439	29,869	1,116,518
TOTAL	132,648	63,800	265,059	59,995	1,873,748	195,341	103,616	350,004	72,551	2,110,978

GRADE	1972 MAN.	1972 SASK.	1972 ALTA.	1972 B.C.	1972 CAN.	1973 MAN.	1973 SASK.	1973 ALTA.	1973 B.C.	1973 CAN.
28-0-0	20,419	218	4,454	--	47,066	30,462	440	3,359	59	62,424
82-0-0	5,696	427	30,386	--	77,439	16,285	1,483	57,096	439	109,686
46-0-0	7,415	2,543	21,275	1,513	53,399	11,214	3,868	31,606	3,347	76,297
34-0-0	36,417	6,672	48,254	7,718	201,861	48,164	11,079	63,957	7,963	236,764
21-0-0	13,207	5,310	55,809	4,126	82,738	17,862	11,265	55,867	3,139	90,937
11-55-0	20,399	11,324	29,585	1,127	62,722	30,487	21,124	39,382	1,694	94,711
11-48-0	30,324	55,816	66,781	2,071	155,474	39,503	95,739	88,991	2,976	227,608
18-46-0	20	51	975	232	52,708	242	93	4,194	103	59,097
16-20-0	4,083	5,170	29,250	7,319	45,959	3,729	7,110	24,231	6,758	44,983
27-14-0	9,150	945	5,326	657	16,088	8,194	2,503	5,930	285	16,912
23-23-0	26,058	31,479	34,866	573	92,988	26,960	40,837	41,947	2,263	112,007
ANP*	28,535	6,771	15,167	615	51,162	48,337	11,196	21,844	1,494	82,981
AP**	4,096	1,929	6,151	584	30,775	12,204	5,431	20,005	2,511	55,589
0-0-60 (KCl)	1,130	8,006	2,163	1,716	76,991	2,417	238	1,332	1,444	71,610
Others	9,658	1,761	10,541	29,580	1,127,860	6,929	1,597	5,838	35,563	1,150,478
TOTAL	216,607	138,422	360,983	57,841	2,175,230	305,989	214,003	465,579	70,038	2,492,084

* Other Ammonium NOs Phosphate
** Other Ammonium Phosphate

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES AND CANADA
(SHORT TONS)

GRADE	1974 MAN.	1974 SASK.	1974 ALTA.	1974 B.C.	1974 CAN.	1975 MAN.	1975 SASK.	1975 ALTA.	1975 B.C.	1975 CAN.
28-0-0	36,887	739	2,825	10	74,732	15,604	4	589	10	52,404
82-0-0	21,230	1,429	52,981	26	115,617	16,603	1,949	75,864	25	147,161
46-0-0	13,357	5,938	42,274	2,372	95,786	26,190	7,074	50,953	3,453	117,027
34-0-0	66,435	24,240	97,558	12,442	313,068	80,775	26,962	98,851	20,135	340,239
21-0-0	15,581	11,624	53,540	4,917	88,919	13,155	9,301	45,165	4,839	76,741
11-55-0	42,745	42,000	59,732	2,986	148,313	26,789	14,400	32,183	1,158	74,650
11-48-0	52,612	120,551	115,573	2,546	291,607	81,927	165,019	160,333	5,852	413,576
18-46-0	--	358	1,596	190	72,675	--	22	844	2,055	67,742
16-20-0	7,190	10,872	37,278	11,036	66,616	8,850	12,900	39,120	14,834	75,713
27-14-0	10,746	3,002	9,299	372	23,419	17,414	2,216	9,160	733	29,523
23-23-0	41,042	69,885	55,635	2,403	168,965	56,887	80,195	63,284	1,021	202,462
ANP**	30,485	6,588	16,516	1,577	55,166	15,841	4,471	15,941	1,039	37,292
AP*	7,203	3,930	13,014	2,141	38,858	7,442	8,135	12,774	495	39,315
0-0-60 (KCl)	1,682	962	2,358	2,665	76,339	3,468	822	3,859	11,473	104,145
Others	12,425	3,289	17,432	39,159	1,232,620	8,725	7,158	18,309	73,172	1,163,563
TOTAL	359,620	305,407	577,611	84,842	2,862,700	379,670	340,628	627,229	99,684	2,941,553

GRADE	1976 MAN.	1976 SASK.	1976 ALTA.	1976 B.C.	1976 CAN.	1977 MAN.	1977 SASK.	1977 ALTA.	1977 B.C.	1977 CAN.
28-0-0	22,906	--	1, 98	--	72,661	5,543	1,206	9,626	--	77,599
82-0-0	30,326	4,215	92,768	643	166,740	32,401	11,313	111,946	--	199,070
46-0-0	35,405	12,641	57,370	2,712	153,668	54,251	25,579	74,241	6,498	200,242
34-0-0	80,814	42,572	116,287	14,339	390,067	77,685	48,386	94,686	13,849	371,008
21-0-0	9,975	7,838	47,078	3,158	71,558	8,627	8,726	42,631	4,331	66,972
11-55-0	39,331	26,867	45,173	2,515	115,071	39,533	35,754	55,831	6,638	139,464
11-48-0	69,867	126,016	131,121	3,811	331,033	61,944	115,810	122,943	3,843	304,595
18-46-0	--	--	445	226	79,321	97	1,604	2,868	170	92,822
16-20-0	5,797	8,692	31,571	7,628	54,676	3,615	7,353	23,317	8,877	43,458
27-14-0	8,051	2,604	8,322	131	19,108	6,909	1,123	6,467	659	15,158
23-23-0	45,053	63,846	56,691	2,473	168,114	36,259	52,090	54,751	3,865	148,489
ANP**	32,246	6,524	15,844	1,240	55,947	29,200	8,621	26,181	2,783	66,855
AP*	10,353	7,287	6,033	40	43,025	13,294	5,391	6,836	108	44,727
0-0-60 (KCl)	4,295	909	11,640	7,133	150,876	2,260	343	1,675	14,009	134,939
Others	12,729	3,147	13,994	28,822	1,192,986	33,177	5,453	11,886	29,278	1,212,775
TOTAL	407,148	313,158	635,935	74,874	3,064,851	104,665	328,572	645,885	94,908	3,118,173

* Other Ammonium NOs Phospahte
** Other Ammonium Phospahte

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES
(SHORT TONS)

GRADE	1978 MAN.	1978 SASK.	1978 ALTA.	1978 B.C.	1979 MAN.	1979 SASK.	1979 ALTA.	1979 B.C.
28-0-0	44,235	8,252	12,982	--	44,370	15,523	24,073	--
82-0-0	55,229	24,587	129,866	--	77,296	44,344	142,713	1,248
46-0-0	80,654	53,360	100,266	6,438	106,439	83,944	128,899	9,158
34-0-0	72,246	55,881	99,988	12,601	98,377	88,076	109,201	20,923
21-0-0	7,062	7,495	33,606	2,632	8,855	8,920	24,914	1,801
11-55-0	62,611	67,073	78,615	1,714	71,019	55,859	79,575	3,126
11-48-0	67,840	149,055	145,219	3,023	40,921	81,300	108,433	4,144
18-46-0	2,050	111	3,651	18	2,597	720	7,409	674
16-20-0	4,131	9,208	24,010	6,588	4,789	15,276	25,408	7,455
27-14-0	15,094	6,442	17,708	1,372	11,012	5,090	12,201	1,262
23-23-0	40,238	63,756	53,486	1,765	31,045	54,977	41,814	2,483
ANP*	--	133	487	35	343	45	258	12
AP**	4,780	522	7,001	2,192	50,481	94,708	53,574	3,619
0-0-60 (KCl)	14,051	1,809	21,343	5,908	15,868	5,688	19,691	2,676
Others	32,222	13,006	36,448	24,688	35,747	27,406	47,349	39,954
TOTAL	502,443	476,739	767,734	68,974	599,519	581,876	825,512	98,535

GRADE	1980 MAN.	1980 SASK.	1980 ALTA.	1980 B.C.
28-0-0	40,002	15,560	20,052	--
82-0-0	75,344	45,626	146,332	--
46-0-0	105,300	96,102	125,959	10,329
34-0-0	99,908	72,399	112,553	19,737
21-0-0	11,224	9,990	19,198	2,153
11-55-0	40,183	37,059	128,368	5,907
11-48-0	87,845	64,373	88,148	4,730
18-46-0	321	--	695	--
16-20-0	3,044	17,485	21,712	7,901
27-14-0	9,177	4,633	11,605	921
23-23-0	27,123	41,524	40,555	2,505
AP**	47,129	122,243	23,854	2,891
0-0-60 (KCl)	18,329	7,621	23,525	13,227
Others	39,757	32,123	40,903	50,131
TOTAL	604,686	566,378	803,459	120,432

* Other Ammonium NO3 Phosphate
** Other Ammonium Phosphate

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES
(METRIC TONNES)

	1981				1982			
GRADE	**MAN.**	**SASK.**	**ALTA.**	**B.C.**	**MAN.**	**SASK.**	**ALTA.**	**B.C.**
28-0-0	35,008	12,866	23,041	--	47,666	13,080	28,607	--
82-0-0	54,292	53,942	158,601	--	73,990	67,219	158,894	5,066
46-0-0	90,040	110,766	157,311	8,491	88,591	142,579	161,780	13,397
34-0-0	77,800	62,976	108,583	15,000	67,465	55,273	90,376	18,364
21-0-0	9,866	11,448	20,943	2,320	9,214	9,267	16,838	2,685
Monoammon. Phos.	141,055	235,362	254,612	8,846	142,096	246,913	251,058	14,013
16-20-0	4,535	17,486	19,685	6,713	3,131	15,826	19,602	6,433
27-14-0	7,600	5,054	12,625	1,763	6,505	4,132	12,095	962
23-23-0	26,743	39,207	40,647	2,381	22,763	39,149	38,900	1,566
0-0-60 (KCl)	31,351	6,070	22,426	3,362	22,410	9,126	34,826	10,899
Others	38,706	27,124	40,739	47,533	30,154	29,171	42,966	26,285
TOTAL	516,996	582,301	859,213	96,409	521,187	630,650	845,803	93,670
NUTRIENTS								
N	154,448	167,734	302,154	27,485	167,107	191,974	299,360	23,657
P_2O_5	91,922	140,053	154,623	13,149	85,520	143,185	148,418	13,442
K_2O	19,364	3,904	14,732	7,641	18,568	5,104	16,244	6,720

	1983				1984			
GRADE	**MAN.**	**SASK.**	**ALTA.**	**B.C.**	**MAN.**	**SASK.**	**ALTA.**	**B.C.**
28-0-0	27,809	10,381	28,255	--	44,164	15,446	30,948	436
82-0-0	77,523	82,325	163,650	3,265	103,978	117,508	187,337	4,433
46-0-0	113,465	195,321	187,226	24,146	128,283	258,339	226,243	21,915
34-0-0	79,613	61,829	100,959	15,174	67,445	51,763	75,811	14,349
21-0-0	8,193	15,321	19,096	3,022	9,456	23,543	16,757	3,917
Monoammon. Phos.	152,721	299,154	287,066	22,514	184,787	335,792	308,149	18,256
16-20-0	3,295	19,194	21,299	8,010	2,940	23,738	20,888	7,831
10-34-0	18,260	8,429	2,894	--	16,267	13,778	3,606	--
0-0-60 (KCl)	22,410	9,126	34,826	10,900	25,839	12,931	40,313	7,768
Others	20,267	41,600	10,289	4,351	5,527	23,324	14,436	7,096
TOTAL	523,556	742,680	855,560	94,558	588,686	876,162	924,488	86,001
NUTRIENTS								
N	176,133	231,234	303,815	23,973	205,114	289,261	335,906	23,446
P_2O_5	89,333	168,328	152,294	13,660	103,319	186,296	166,831	11,761
K_2O	13,893	5,609	21,267	6,924	15,869	7,950	24,900	5,399
S	2,546	6,640	7,842	2,029	2,809	9,124	7,191	2,655

TABLE 2

FERTILIZER SALES IN THE FOUR WESTERN PROVINCES
(METRIC TONNES)

	1985				1986			
GRADE	**MAN.**	**SASK.**	**ALTA.**	**B.C.**	**MAN.**	**SASK.**	**ALTA.**	**B.C.**
28-0-0	58,175	7,932	11,374	414	66,563	9,207	20,651	--
82-0-0	106,670	116,826	187,382	4,736	109,009	135,925	157,998	9,546
46-0-0	170,287	271,507	245,123	27,652	168,735	290,412	222,947	31,230
34-0-0	76,791	71,564	85,816	13,711	70,625	49,187	72,210	11,996
21-0-0	10,646	23,368	27,215	5,833	10,984	33,698	21,885	7,869
Other N	--	--	--	--	917	1,692	26,398	1,468
Monoammon. Phos.**	163,079	335,804	311,497	20,135	183,224	352,439	273,370	24,656
16-20-0	2,946	24,116	21,338	9,762	2,639	35,105	27,114	10,297
10-34-0	20,586	12,725	1,551	--	27,228	11,529	1,735	2
0-0-60 (KCl)	23,524	11,989	44,951	9,307	25,384	14,985	34,572	9,390
Micronutrients	--	--	-	--	349	131	1,027	673
All Others	29,284	3,041	32,195	10,476	1,405	6,643	15,751	6,969
TOTAL	661,988	878,872	968,442	102,026	667,062	920,777	874,658	114,096
NUTRIENTS								
N	236,089	296,395	352,907	27,425	235,960	317,800	308,908	33,537
P_2O_5	105,915	184,961	170,943	13,998	105,429	185,537	154,600	16,285
K_2O	15,996	7,777	27,420	7,830	15,484	9,141	21,357	6,443
S	--	--	--	--	--	--	--	--

	1987				1988			
GRADE	**MAN.**	**SASK.**	**ALTA.**	**B.C.**	**MAN.**	**SASK.**	**ALTA.**	**B.C.**
28-0-0	52,573	6,796	46,279	22	53,144	6,424	42,137	--
82-0-0	119,266	99,902	131,260	6,096	134,434	90,240	152,684	8,449
46-0-0	142,530	280,416	222,206	28,764	150,594	274,586	237,587	30,779
34-0-0	49,200	37,177	66,442	10,334	54,427	33,260	73,371	12,089
Amm. Sulphate*	12,019	32,095	22,883	5,223	21,465	48,622	42,661	5,561
Other N	16,805	19,685	20,823	669	17,085	6,981	9,884	471
Monoammon. Phos.**	169,905	277,787	244,822	20,474	191,332	279,618	249,260	22,384
Other P	26,548	13,006	22.390	67	37,235	23,840	21,334	1,750
16-20-0	3,803	31,288	21,292	7,973	5,363	37,722	16,386	7,787
0-0-60 (KCl)	26,652	14,621	35,140	11,492	35,680	16,839	39,259	10,815
All Others	824	--	2,289	2,092	479	--	2,271	2,636
TOTAL	616,125	812,938	835,855	95,026	701,238	818,132	886,834	102,721
NUTRIENTS								
N	222,500	274,815	289,186	26,972	248 010	266,044	315,796	30,542
P_2O_5	96,980	157,335	140,197	13,126	110,573	157,939	137,369	13,765
K_2O	16,387	8,932	21,729	7,363	21,846	10,272	24,328	6,918
S	8,548	15,287	14,181	3,552	11,963	19,883	19,101	3,926

* Amm. Sulphate includes 21/20-0-0-24, 19-3-0-22
** Monoammon. Phos. includes 11/12-51/52/55-0

TABLE 3

Nitrogen, Phosphate and Potash Contained in Fertilizers Sold in Alberta to June 30 1946-1988 (short tons)

Year	Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)	Total Product**
1946	1,306	4,743	21	12,471
1947	1,855	6,378	23	16,093
1948	2,429	8,146	--	20,162
1949	3,258	11,774	--	28,002
1950	3,848	14,335	12	32,876
1951	4,318	15,311	15	35,857
1952	3,900***	13,500***	--	31,848
1953	4,600***	14,950***	--	36,293
1954	3,800***	11,500***	--	28,420
1955	4,250***	9,300***	--	24,313
1956	4,496	9,994	15	29,283
1957	6,252	12,368	33	38,076
1958	7,841	14,918	50	47,952
1959	10,920	19,721	52	65,105
1960	13,639	23,158	92	79,878
1961	17,848	29,382	84	104,037
1962	21,536	35,906	108	126,865
1963	30,438	45,816	141	170,447
1964	41,772	56,283	132	224,182
1965	47,818	63,309	184	252,188
1966	64,132	72,451	299	316,116
1967	86,375	86,059	823	398,941
1968	100,800	96,143	1,513	442,886
1969	77,819	72,220	952	310,755
1970	64,665	51,138	1,425	265,059
1971	89,304	68,338	1,745	350,004
1972	94,718	71,413	2,789	360,983
1973	134,220	96,715	1,355	465,579
1974	159,915	125,032	2,331	577,611
1975	183,461	131,074	3,597	627,341
1976	199,017	115,735	8,013	635,935
1977	214,952	120,082	2,515	645,885
1978	245,000	143,000	1,300	767,734
1979	273,000	132,000	1,200	825,512
1980*	249,603	134,181	17,489	729,059
1981*	302,154	154,623	14,732	859,233
1982*	299,360	148,418	16,244	845,803
1983*	303,815	152,294	21,267	855,560
1984*	355,906	166,831	24,900	924,488
1985*	352,907	170,943	27,420	968,442
1986*	308,908	154,600	21,357	874,621
1987*	289,186	140,197	21,729	835,856
1988*	315,796	137,369	24,328	886,834

*Metric tonnes
**Total Product includes fertilizer materials and mixed fertilizers
***Estimated

TABLE 4

Sales of Fertilizers in Canada 1927 and 1929-1977 and Their Nitrogen, Phosphate, and Potash Content 1936-1977
(short tons)

Year	Total	Nitrogen (N)	Phosphate (P_2O_5)	Potash (K_2O)
1927	169,564	---	---	---
1929	223,750	---	---	---
1930	321,207	---	---	---
1931	284,217	---	---	---
1932	179,983	---	---	---
1933	166,407	---	---	---
1934	194,851	---	---	---
1935	212,479	---	---	---
1936	233,840	8,248	28,390	14,374
1937	298,276	10,258	37,029	19,442
1938	323.376	10,756	39,506	21,921
1939	334,003	10,953	40,175	23,339
1940	346,721	11,464	42,501	25,243
1941	324,201	10,427	39,243	23,902
1942	419,547	14,353	51,010	30,374
1943	489,861	14,741	59,077	36,089
1944	535,108	19,060	64,136	30,953
1945	575,107	21,960	76,696	42,665
1946	632,943	24,353	78,595	45,485
1947	660,721	25,744	85,252	47,129
1948	672,171	27,846	89,537	50,080
1949	741,726	30,341	105,010	55,061
1950	764,581	33,353	117,991	55,987
1951	770,507	34,495	121,887	56,130
1952	768,545	36,570	119,364	58,017
1953	819,803	43,889	132,702	67,587
1954	811,641	42,025	122,347	69,968
1955	790,774	42,832	114,704	74,339
1956	800,680	45,011	117,931	76,944
1957	808,251	49,673	121,190	78,374
1958	870,539	55,340	127 170	84,675
1959	908,214	62,122	144,876	88,074
1960	935,428	67,821	153,243	89,275
1961	1,077,412	80,478	177,132	101,918
1962	1,144,000	98,348	196,763	106,492
1963	1,256,841	122.323	223.314	111,989
1964	1,454,332	165,578	264,245	120,696
1965	1,593,593	188,173	293,758	135,406
1966	1,917,864	240,536	367,591	156,339
1967	2,183,444	305,010	412,214	178,142
1968	2,292,723	353,668	440,093	183,100
1969	1,897,622	277,605	347,813	185,527
1970	1,873,748	297,460	313,071	194,149
1971	2,110,978	356,140	359,781	203,193
1972	2,173,892	368,634	375,682	274,397
1973	2,492,084	451,670	457,784	210,220
1974	2,875,518	565,093	544,795	222,710
1975	2,950,243	585,643	553,102	227,972
1976	3,064,851	646,056	554,085	266,844
1977	3,118,173	660,420	554,662	258,196

TABLE 5

ALBERTA AND WESTERN CANADIAN FERTILIZER EXPORTS TO U.S.
(BY CALENDAR YEAR--SHORT TONS)

	1975	1976	1977	1978	1979	1980	1981	1982
Anhydrous Ammonia								
Alberta	10,752	83,913	439,140	423,459	422,716	422,977	438,195	449,222
Western Canada	42,914	89,113	447,878	429,564	424,594	425,795	447,615	470,039
Urea								
Alberta	15,835	107,718	472,783	718,061	743,116	576,226	525,181	434,058
Western Canada	61,218	141,889	508,851	745,117	752,219	593,334	554,247	509,850
Ammonium Nitrate								
Alberta	37,381	67,322	119,954	157,906	184,965	198,930	234,635	236,417
Western Canada	57,420	97,307	157,077	201,269	224,135	218,346	268,254	268,799
Nitrogen Solutions								
Alberta	1,539	1,824	120	240	52	894	1,038	1,308
Western Canada	10,136	7,209	2,639	1,952	117	1,236	4,401	11,811
Nitrogen-Phosphate Fertilizers								
Alberta	155,454	149,310	191,167	235,061	314,656	218,239	270,923	195,186
Western Canada	356,546	367,235	387,698	350,480	395,701	293,609	328,985	247,962
Ammonium Sulphate								
Alberta	40,776	60,510	69,951	84,896	153,307	117,995	155,732	115,942
Western Canada	139,178	200,202	195,804	186,836	195,704	191,573	209,312	204,451
Potassium Chloride, Muriate								
Alberta	---	98	---	99	410	731	1,234	26,781
Western Canada	---	7,303,238	8,021,552	7,420,164	8,416,360	7,648,940	7,165,422	5,198,067
Prepared Fertilizer Mixtures								
Alberta	1,450	3,698	4,498	1,721	1,990	2,539	6,168	2,860
Western Canada	144,149	5,842	6,408	5,650	4,089	7,005	9,243	5,077
Fertilizer and Fertilizer Materials								
Alberta	1,502	1,750	1,423	482	4,356	1,862	1,657	2,564
Western Canada	6,165	7,980	5,094	,730	5,218	3,252	2,589	3,020

Source: Statistics Canada, Ottawa

TABLE 5

ALBERTA AND WESTERN CANADIAN FERTILIZER EXPORTS TO U.S.
(BY CALENDAR YEAR--METRIC TONNES)

	1983	1984	1985	1986	1987
Anhydrous Ammonia					
Alberta	524,814	665,369	753,515	533,552	615,954
Western Canada	574,215	741,109	779,992	573,248	795,632
Urea					
Alberta	430,760	599,067	549,910	867,687	785,410
Western Canada	553,275	645,526	604,999	914,278	844,706
Ammonium Nitrate					
Alberta	254,604	274,425	245,424	197,341	146,659
Western Canada	275,004	290,610	259,513	208,333	160,079
Nitrogen Solutions					
Alberta	608	2,780	1,543	1,598	2,774
Western Canada	11,461	11,029	16,324	9,410	10,947
Nitrogen-Phosphate Fertilizers					
Alberta	88,303	47,412	64,793	67,227	45,458
Western Canada	166,095	149,216	141,053	105,560	103,668
Ammonium Sulphate					
Alberta	62,333	18,008	43,864	80,331	60,433
Western Canada	143,666	135,494	154,432	120,629	127,575
Potassium Chloride, Muriate					
Alberta	328	153	549	757	1,605
Western Canada	5,590,703	6,859,279	6,375,717	5,568,194	5,624,984
Prepared Fertilizer Mixtures					
Alberta	1,034	4,047	2,489	3,919	2,627
Western Canada	2,028	6,735	3,898	5,859	4,011
Fertilizer and Fertilizer Materials					
Alberta	11,669	8,725	12,942	6,832	8,284
Western Canada	14,831	9,334	14,275	7,438	11,100

Source: Statistics Canada, Ottawa

TABLE 6

ALBERTA AND WESTERN CANADIAN FERTILIZER EXPORTS TO U.S.
(BY FERTILIZER YEAR--SHORT TONS)

	Jul 78-Jun 79	Jul 79-Jun 80	Jul 80-Jun 81	Jul 81-Jun 82
Anhydrous Ammonia				
Alberta	427,059	431,595	371,838	500,933
Western Canada	429,774	532,553	380,334	511,295
Urea				
Alberta	689,397	655,287	620,171	465,632
Western Canada	708,242	672,556	703,281	503,316
Ammonium Nitrate				
Alberta	145,188	205,177	215,496	253,621
Western Canada	178,587	233,053	242,494	288,569
Nitrogen Solutions				
Alberta	190	239	1,245	833
Western Canada	497	326	2,765	9,195
Nitrogen-Phosphate Fertilizers				
Alberta	275,667	269,565	250,518	249,771
Western Canada	343,526	350,681	332,027	303,113
Ammonium Sulphate				
Alberta	148,113	129,584	145,570	117,173
Western Canada	186,831	184,579	215,846	196,691
Potassium Chloride, Muriate				
Alberta	251	997	758	794
Western Canada	7,470,703	8,199,325	7,420,899	6,184,963
Prepared Fertilizer Mixtures				
Alberta	1,948	1,380	7,005	2,305
Western Canada	6,434	6,122	9,829	4,869
Fertilizer and Fertilizer Materials				
Alberta	2,481	2,510	2,375	2,586
Western Canada	2,784	4,165	2,986	3,567

Source: Statistics Canada, Ottawa

TABLE 6

ALBERTA AND WESTERN CANADIAN FERTILIZER EXPORTS TO U.S.
(BY FERTILIZER YEAR--METRIC TONNES)

	Jul 82-Jun 83	Jul 83-Jun 84	Jul 84-Jun 85	Jul 85-Jun 86	Jul 86-Jun 87
Anhydrous Ammonia					
Alberta	428,415	660,863	680,186	705,123	527,384
Western Canada	468,276	701,159	749,803	740,565	633,688
Urea					
Alberta	390,231	497,419	632,495	719,300	802,822
Western Canada	520,627	584,169	673,744	783,629	853,265
Ammonium Nitrate					
Alberta	217,799	270,949	279,229	234,398	141,951
Western Canada	239,271	288,785	295,292	244,687	155,539
Nitrogen Solutions					
Alberta	883	2,481	1,154	2,200	1,999
Western Canada	13,318	10,342	14,065	13,921	8,831
Nitrogen-Phosphate Fertilizers					
Alberta	128,674	65,581	72,273	78,382	45,946
Western Canada	177,541	152,969	183,420	120,602	107,017
Ammonium Sulphate					
Alberta	96,132	28,481	25,242	89,562	57,248
Western Canada	173,233	140,174	140,007	137,770	127,111
Potassium Chloride, Muriate					
Alberta	24,349	147	601	291	1,770
Western Canada	4,766,814	6,078,759	7,353,511	5,858,577	5,524,067
Prepared Fertilizer Mixtures					
Alberta	1,994	2,475	3,277	4,177	3,026
Western Canada	3,018	4,411	5,591	5,690	4,317
Fertilizer and Fertilizer Materials					
Alberta	9,223	6,873	14,689	5,051	7,610
Western Canada	11,802	11,145	15,903	5,680	6,364

Source: Statistics Canada, Ottawa